



**Energy Transformation
Implementation Unit**

WEM Reform Implementation Group (WRIG)

Meeting #5

27 May 2021





Ground rules and virtual meeting protocols

- Please place your microphone on mute, unless you are asking a question or making a comment.
- Please keep questions relevant to the agenda item being discussed.
- If there is not a break in discussion and you would like to say something, you can 'raise your hand' by typing 'question' or 'comment' in the meeting chat. Questions and comments can also be emailed to wrig@energy.wa.gov.au after the meeting.
- The meeting will be recorded for minute-taking purposes. Please do not make your own recording of the meeting.
- Please state your name and organisation when you ask a question to assist with meeting minutes.
- If there are multiple people dialling in through a single profile, please email wrig@energy.wa.gov.au with the names of the attendees to be recorded in the minutes.
- If you are having connection/bandwidth issues, you may want to disable the incoming and/or outgoing video.



Agenda



9.30
am

Introductions

Dora Guzeleva | ETIU



9.35
am

Joint Industry Plan – Plan Updates

Dora Guzeleva | ETIU

Stuart Featham & Mariusz Kovler | AEMO



9.50
am

Market Design & RCM Summary

Mike Hales | AEMO

Ashwin Raj | EPWA



10.10
am

Readiness Working Group Outcomes & Next Steps

Kristy McGrath & Marius Kovler | AEMO



10.25
am

Procedure Updates

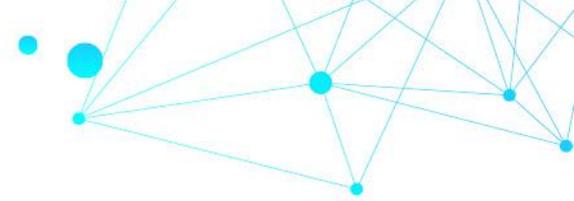
Leon Kwek, Katelyn Rigden & Christopher Wilson | AEMO



10.50
am

Next Steps

Dora Guzeleva | ETIU



Joint Industry Plan Updates

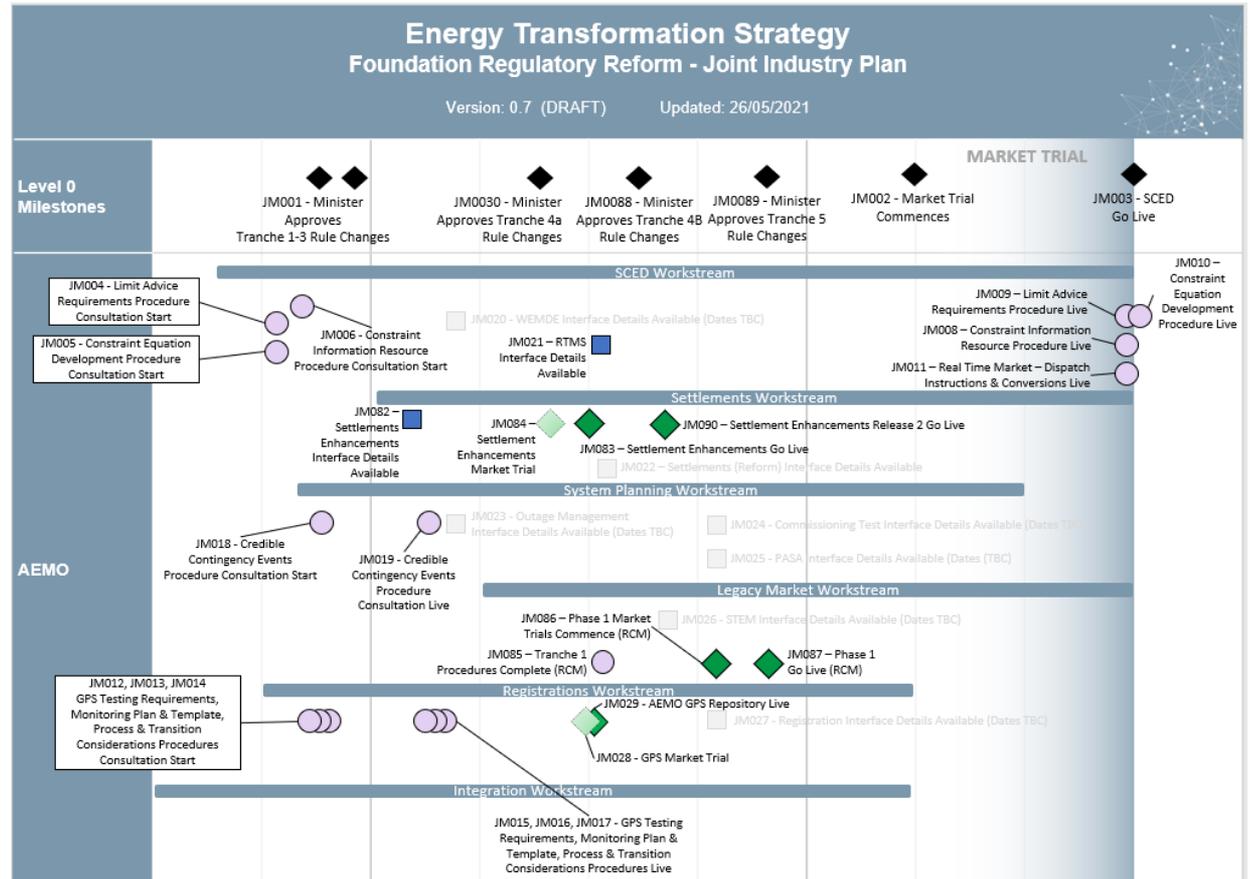
Session Purpose

- ETIU provide awareness of rule drafting timelines and progress
- AEMO, Western Power and Synergy to update on progress to run through key JIP Milestones

Joint Industry Plan Updates and run through

EPWA, AEMO, Western Power and Synergy to run through key milestones, status and changes in JIP.

Updated JIP and Milestone Log will be circulated/published alongside WRIG Meeting Minutes.



Joint Industry Plan

Rule Drafting Timeline

Work package	April	May	June	July	August	Sept	Oct	Nov
TRANCHE 0 - GAZETTED <ul style="list-style-type: none"> Governance of constraints Technical Rules change management, etc 								
TRANCHE 1 - GAZETTED <ul style="list-style-type: none"> Generator Performance Standards Framework Frequency Operating Standards and Contingency Events Frameworks 								
TRANCHE 2 - GAZETTED <ul style="list-style-type: none"> Foundation Market Parameters (incl. STEM) Frequency Co-optimised ESS Scheduling and Dispatch Market Settlement, etc 								
TRANCHE 3 - GAZETTED <ul style="list-style-type: none"> Reserve Capacity Mechanism (RCM) Prioritisation and Network Access Quantities Framework Participation of storage/hybrid facilities in the RCM, etc 								
TRANCHE 4A (to be Gazetted, May) <ul style="list-style-type: none"> Transitional Arrangements (e.g. ESS accreditation) Changes and Rules commencement to facilitate 2021 RCM, etc. 								
TRANCHE 4B (July/August) <ul style="list-style-type: none"> UFLS & System Restart Remaining changes to facilitate 2021 and 2022 RCM Changes and Rules commencement to facilitate 2022 RCM 								
TRANCHE 5 (December) <ul style="list-style-type: none"> Non-Cooptimised ESS Framework Market Information Framework Reliability Standards Framework Participation and Registration framework Intermittent Loads 								
Drafting instructions and rule drafting	Stakeholder consultation		Ministerial approval, publication of the Amending Rules and Gazettal					



ETIU-EPWA Updates

- **Taskforce last meeting was on 14 May 2021**
 - ✓ **Approved two Information Papers, which will be published shortly – Market Power Mitigation and NCESS**
 - ✓ **Endorsed design principles for Intermittent Loads**
- **The Taskforce has now been disbanded**
- **ETIU is now EPWA**
- **EPWA still leads the ETS work**
- **WRIG and TDOWG still the two key stakeholder forums/vehicles**

AEMO Implementation Program Activities

AEMO's implementation program update includes the following:

- Continued Operational and Market Readiness activities
- Settlement Enhancements UAT, Pen Test, Market Trial in June, Go Live R1 July
- WEMDE solution evaluation decision and preferred supplier
- Continued RTMS sprints
- GPS SIT and UAT, Service Transition, Pen Testing
- Constraints sprints continued – likely scope and schedule impact
- RCM (Phase 1) sprints commenced, Phase 2 NAQ model requirements commenced
- System planning projects backlog commenced, ETC stories completed in July
- Initiating Registration and RCM Phase 2 projects

AEMO Next Steps

- Continue Operational and Market Readiness activities
- Settlements Enhancements Release 1 go live, continue Release 2 sprints
- Contract and commence (contract pending) WEMDE sprints
- Prepare for next WRIG-IT – planned for 10th June
- Continue to build out System Planning projects backlog
- Planning upcoming releases

Market Design & RCM Summary

Session Purpose

- Introduce new Market Design & RCM Summary Documents



Wholesale Electricity Market Design Summary

WEM Reform Rules

AEMO has prepared the WEM Reform Design Summary to provide a high-level summary of the Wholesale Electricity Market resultant from the WEM Rule amendments made by the Minister for Energy.

This document has been prepared using the [WEM Rules \(1 Feb 2021\) Companion Version](#) and information gathered from published documents by the [Energy Transformation Taskforce](#).

The document has been published on the AEMO website:

<https://aemo.com.au/-/media/files/initiatives/wem-reform-program/wem-reform-market-design-summary.pdf>



RCM Summary

Changes to support constrained access and storage participation



Energy Policy WA has prepared an Information Paper summarising the RCM changes to support the implementation of constrained access and to facilitate storage participation.

The paper provides a complete overview of the RCM changes given that the new RCM regime was developed incrementally during 2019 and 2020. It is based principally on the WEM Rules (1 Feb 2021) Companion Version on the ERA website.

The Information Paper will be published on the Energy Transformation website <https://www.wa.gov.au/government/document-collections/taskforce-publications>

An email will be sent to stakeholders on the Energy Policy WA mailing list notifying of the publication.

Readiness Working Group



Session Purpose

- Share discussion items, meeting outcomes and feedback on general criteria
- Define next meeting items

Readiness Working Group (RWG)

- The first RWG meeting was held on 3 May 2021
- In Attendance: AEMO, AGL, Alcoa, Clear Energy, CleanTech Energy, Collgar Wind Farm, ERA WA, ETIU, Metro Power Company, Synergy, Western Power

Discussion Items



Actions:

1. Approach additional participants
2. Confirm level of 'identifiable' data that can be shared by large or unique players

3. Circulate RWG Presentation, TOR, Market Readiness engagement strategy & report examples to group
4. RWG Representatives to provide feedback on above items by 17 May 2021



Readiness Strategy

Key Implementation Roles

Following discussion at the first RWG, we felt it would be helpful to refresh the summary of key roles and responsibilities for stakeholders in WEM Reform implementation.

EPWA

- Ultimately accountable for program success and benefits delivery
- Determining and delivering any necessary regulatory changes
- Chair of WRIG and final arbiter of implementation challenges/issues (e.g. timeline vs scope)

AEMO

- Accountable for delivery of its internal program of change
- Leading joint industry planning and execution (e.g. market trials, readiness and transition)
- Provision of key technical (e.g. interface specifications) and regulatory (e.g. WEM Procedures) artefacts to participants//stakeholders
- Provision of information to WRIG (and other working groups) on program status and RAID items
- Chair and administer other working groups (e.g. RWG, WRIG-IT)

Other participants/stakeholders

- Accountable for delivery of internal change programs
- Engaging with stakeholders on dependencies or delivery activities (e.g. Western Power working with parties on SCADA requirements)
- Provision of information to WRIG (and other working groups) on program status and RAID items

WEM Procedures

Session Purpose

- AEMO to discuss:
 - Updates to the Credible Contingency Events WEM Procedure
 - RCM Facility Class and Indicative Facility Class WEM Procedure
 - Feedback received for Operational Data Points Technical Specification

WEM Procedures

WRIG Schedule

Meeting	Owner	Project	Topic/Procedure
27 May	AEMO	System Planning	Credible Contingency Events - Update
	AEMO	RCM	RCM Facility Class and Indicative Facility Class
	AEMO	WEMDE	Operational Data Points Technical Specification - Feedback
24 June	AEMO	RCM	Electric Storage Resource Obligations Intervals - Feedback
	AEMO	System Planning	Scenarios Modelling (ST and MT PASA)
29 July	AEMO	WEMDE (RTMS)	Participant Submissions
	AEMO	RCM	Certification of Reserve Capacity
26 August	AEMO	WEMDE	Real-Time Market Timetable

WEM Procedures

Upcoming Planned Consultation

Planned Date	Owner	Project	Procedure
03 June	AEMO	RCM	Facility Sub-Metering
11 June	AEMO	RCM	RCM Facility Class and Indicative Facility Class
11 June	AEMO	System Planning	Credible Contingency Events

Next Steps

Looking towards future WRIGs





Next Steps

- WRIG-IT to be held 10 June
 - GPS Market Trial Update
 - Market Test Update – Environments
 - RTMS Update – Interface Specs and Build and Test Plan
 - WEM Reform Interface Spec Release – Timeline Update
 - Readiness Working Group #2 scheduled for 22 June
 - AEMO to publish draft Market Test Strategy document for review and consultation
 - WRIG Members – please continue to provide offline feedback, queries and suggestions on topics you would like further information on
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